



IDG2003 : Back-end Web Development 1

2020 Autumn

Assignment II

Submission Deadline: 8 November 2020

(Submit a version before 1 November for feedback)

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1 OBJECTIVES

Students should demonstrate that they know and are able to use:

- Forms handling,
- HTTP GET and POST to handle data from forms,
- MySQL and PHP for Database Handling,
- Sessions, Cookies and Appropriate Security Measures.

and create a basic dynamic website using these knowledge and skills.

2 DESCRIPTION

In this assignment, you are expected to create a part of a course management system for a university managing data about *students*, *courses*, *instructors*, and *grades*. However, this time

you will use an actual database, instead of csv files to store and retrieve data.

A template has already been provided for you, to help you get started.

In the template, you will find a folder named 'classes', in which you will find the different class definitions that may be useful in this assignment. I highly recommend that you DO NOT change anything about the core structure of these files. Based on the task you were given, you may be required to modify some of the class definitions. This would mostly be *adding* methods or properties to the classes.

You will also find a folder named 'inputFiles', in which the input csv files to be uploaded are stored. Please test your program using only these files. Do not create your own. This will ensure consistency in all your codes.

This is a group assignment, each of you has been assigned a main page to work on from the following :

- login.php
- profile_admin.php
- profile_employee.php
- profile_student.php
- register.php

You will find more specific instructions on what you were supposed to do in each of those files.

First Steps

The first step would be to create the database on PHPMyAdmin. I have made this task easier for you. In 'db.txt', you will find the MySQL code that you can just copy and paste on PHP-MyAdmin to create your database along with the relevant tables.

You will find a helpful list of functions in the 'functions.php' file, to help you get started. Note that there may be other useful functions in Labs 7 and 8. Its up to you to find what may be useful to you. Any additional function you create, should be placed in the 'functions.php' file.

3 OTHER REQUIREMENTS

- It is mandatory that all the steps listed in the assignment description should be present in your Assignment submission.
- You may submit only the specific file that you have worked on, including the class definitions and functions file if you have modified them.

- Look and feel of the pages is under your discretion.
- Your code should be well indented and commented.
- Your code should use proper variable names for readability.
- Zip all your code into a single zip file.
- Name your zip file in this pattern : Assignment2_YourName
- This is a group assignment, collaboration between team members(within the same group) is encouraged.
- Your assignment grade depends fully on your own work, based on how much of the steps listed you have completed. Your grade will not be influenced by the work done by your team members.

Good luck!